

LAKE GEORGE CANAL

BALD EAGLE NEST CONSIDERATIONS

CARE Workgroup meeting
08 December 2021



US Army Corps
of Engineers®



LAKE GEORGE CANAL PROJECT



- **Canal History**

- Canal excavated in approximately 1901 by private interests
- Used for drainage, navigation, and industrial uses
- Middle section last dredged in approximately 1960s
- Legacy contamination of sediment

- **Project Purpose**

- Remediate Contaminated Sediment
- Restore Ecological Habitat & Affected Environment
- Remove Beneficial Use Impairments



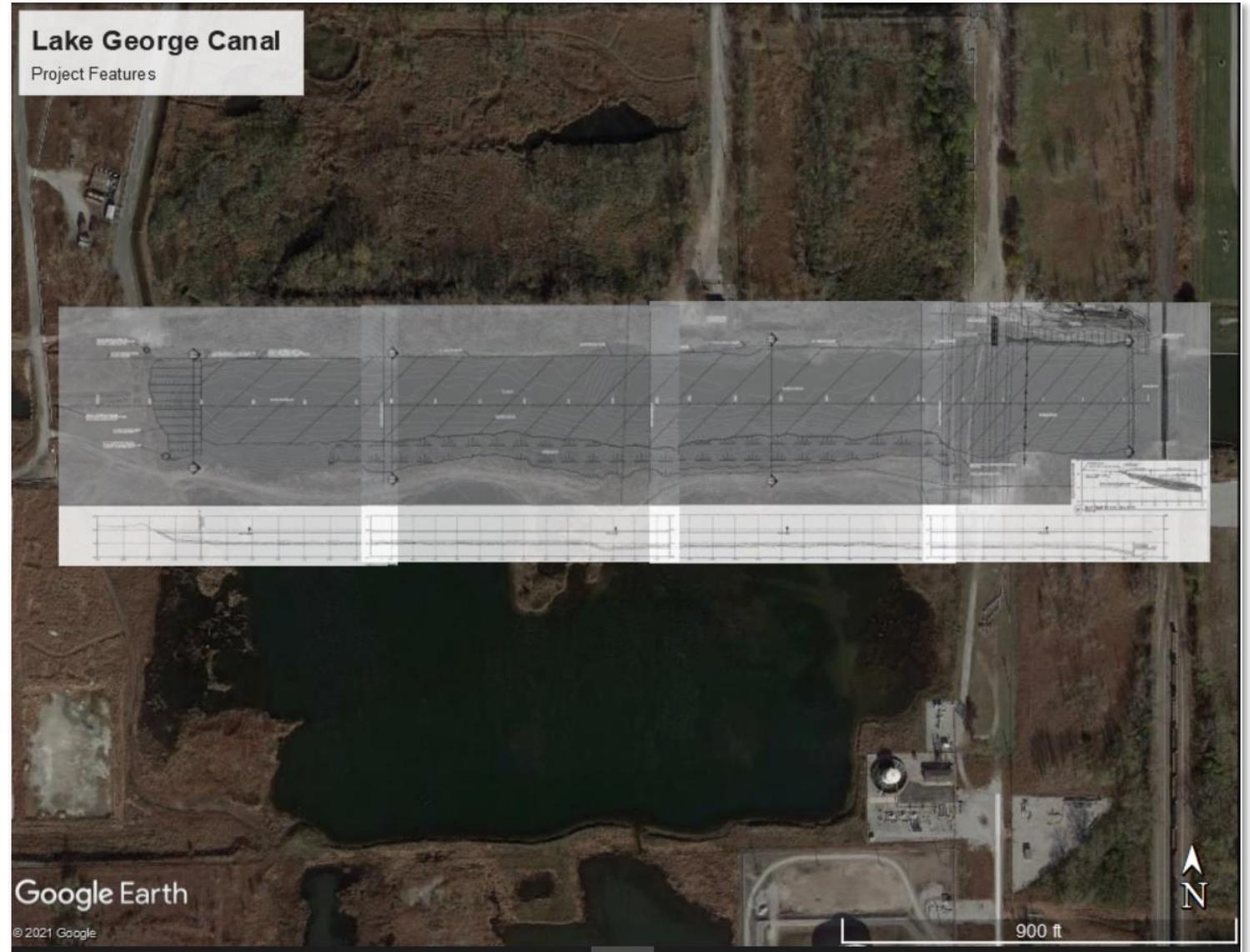


LAKE GEORGE CANAL – MIDDLE SECTION



Significant Project Features:

- Sheet Pile Wall Installation
- West Tank Farm Banks
 - Reactive Matting
 - Marine Mattress Installation
 - Stormwater Grading
- Sediment Capping
 - Debris Removal
 - Sediment Stabilization
 - Active Sediment Capping (organophilic clay)
 - Erosion Control
- Ecosystem Restoration
 - Wetland Shelf
 - Habitat Features
 - Upland Restoration
- Environmental Controls
 - Oil Control
 - Turbidity Control
- Coordination
 - Project Partnering
 - Coordination with Others
 - Utility Protection





BALD EAGLE NEST SIGHTING



- ***Bald Eagle Concern***

- Bald Eagle activity in the Lake George Canal area had previously been noted
- Bald Eagle nest sighted, and photos taken on November 22, 2021
- Nest located on private property
- Concern of impacts to eagles from Lake George Canal remediation and restoration activities
- Bald Eagles protected by the Migratory Bird Treaty Act and the Bald Eagle Protection Act





BALD EAGLE NEST SIGHTING



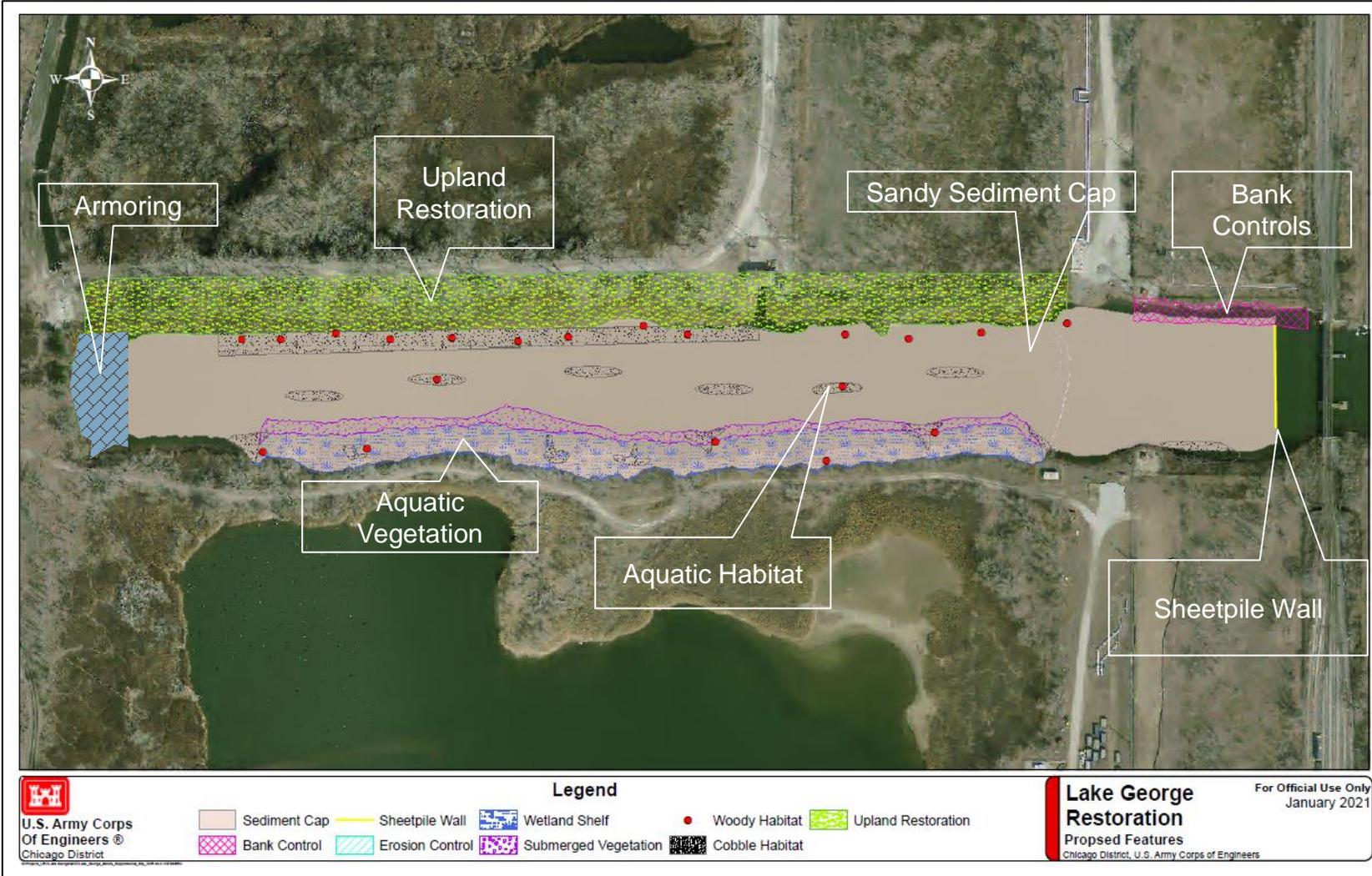
• *Impacts analysis*

- Project areas outside of USFWS recommended 660 ft nest buffer
 - Tree cutting activities on north bank of LGC-Middle ~ 3100 ft away
 - Seasonal tree cutting restriction in place from April 1 – Sept 30
 - No direct tree removal, construction, or transportation activities within buffer
 - *No anticipated direct impact to eagle's nest or other nesting/migratory birds due to seasonal restriction*
- Noise attenuation from construction activities
 - Chainsaw cutting activities ~3100 ft from nest
 - Noise attenuates from 110 dB down to 49.7 dB (conversation speech)
 - Current noise from highway ~ 1150 ft attenuates to 52.7 dB
 - *No anticipated noise impact*





LAKE GEORGE MIDDLE SECTION



Project Benefits:

- Sediment remediation of legacy pollutants
- Mitigate Oil Sheen Seeps from West Tank Farm
- Improve Ecological Habitat
 - Upland Invasive plant Removal
 - Upland Native Planting
 - Emergent Wetland Shelf Plantings
 - Habitat for birds, aquatic organisms, reptiles
 - Submergent aquatic vegetation
 - Food source for diving bird, nursery for fishes
 - Aquatic Structures
 - Foraging and refuge habitat for fishes



LAKE GEORGE MIDDLE



Questions?